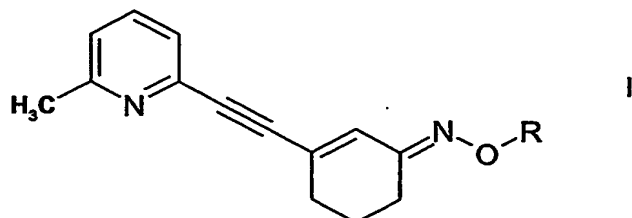


CLAIMS

1. A compound of formula I



wherein

R is CH_3 , $(\text{CH}_2)_n\text{I}$, $(\text{CH}_2)_n\text{Br}$ or $(\text{CH}_2)_n\text{F}$, n being 1, 2, 3 or 4

in free base or acid addition salt form.

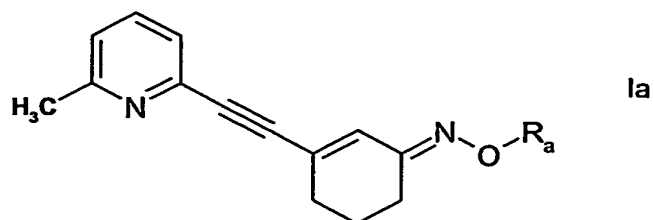
2. A compound according to claim 1, wherein

R is $^{11}\text{CH}_3$, $(^3\text{H})_3\text{C}$, $(\text{CH}_2)_n^{123}\text{I}$, $(\text{CH}_2)_n^{76}\text{Br}$ or $(\text{CH}_2)_n^{18}\text{F}$, n being 1, 2, 3 or 4

in free base or acid addition salt form.

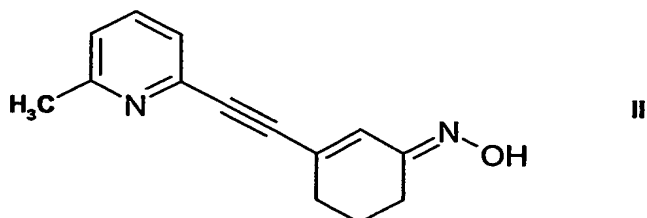
3. A process for the production of a compounds of formula I as defined in claim 1, or a salt thereof, comprising the step of

a) for the production of a compound of formula Ia



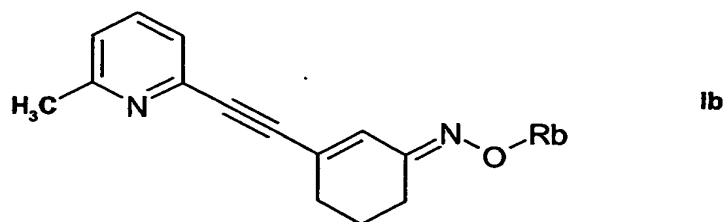
- 9 -

wherein R_a is respectively $^{11}\text{CH}_3$ or $(^3\text{H})_3\text{C}$, reacting the compound of formula II

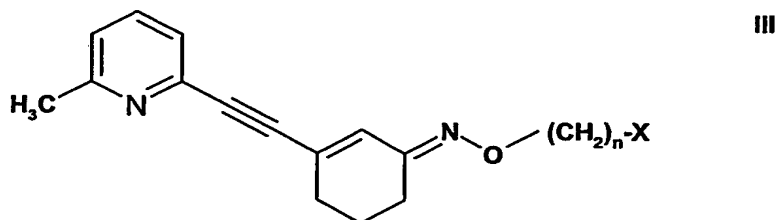


with respectively $^{11}\text{CH}_3\text{I}$ or $\text{C}(^3\text{H})_3\text{I}$, in the presence of a base, or

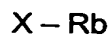
b) for the production of a compound of formula Ib



wherein Rb is respectively $(\text{CH}_2)_n^{18}\text{F}$, $(\text{CH}_2)_n^{123}\text{I}$ or $(\text{CH}_2)_n^{76}\text{Br}$, reacting a compound of formula III



wherein n is as defined in claim 1 and X is OTs or OMs, with respectively $^{18}\text{F}^\ominus$, $^{123}\text{I}^\ominus$ or $^{76}\text{Br}^\ominus$, or reacting the compound of formula II with a compound of formula IV



IV

wherein X and Rb are as defined above,

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and recovering the resulting compound of formula I in free base form or in form of an acid addition salt.

4. A compound of formula I as defined in claim 1, in free base or acid addition salt form, for use as a marker for neuroimaging.
5. A composition for labeling brain and peripheral nervous system structures involving mGlu5 receptors *in vivo* and *in vitro* comprising a compound of formula I as defined in claim 1, in free base or acid addition salt form.
6. A method for labeling brain and peripheral nervous system structures involving mGlu5 receptors *in vitro* or *in vivo*, which comprises contacting brain tissue with a compound of formula I as defined in claim 1, in free base or acid salt form.